

METHOD AND APPARTUS FOR HIGH PRESSURE TREATMENT
OF SUBSTANCES UNDER CONTROLLED TEMPERATURE CONDITIONS

ABSTRACT OF THE DISCLOSURE

A product carrier for use in pressure processing substances is substantially fluidically closed, and is insulated, to prevent heat transfer from the product being treated to the cooler wall of the pressure vessel. The insulating material has compression heating properties, such that as the product is pressurized, the temperature of the insulation increases as does the temperature of the product and pressure media, thereby helping to prevent heat transfer from the product to the surrounding media and pressure vessel wall.

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